

**WHAT IS CLAIMED IS:**

- 1 1. A method comprising:
  - 2 receiving data from a source device for a destination
  - 3 device;
  - 4 receiving an interrupt request from the source device
  - 5 for the destination device; and
  - 6 forwarding the interrupt request to the destination
  - 7 device in response to completing a transfer of the
  - 8 data from the source device to the destination device.
- 1 2. The method of Claim 1, further comprising storing the
- 2 data in a data queue after the receiving the data.
- 1 3. The method of Claim 2, further comprising determining and
- 2 storing in the data queue a device ID of the source
- 3 device and an address of the destination device.
- 1 4. The method of Claim 2, further comprising transferring
- 2 the data from the data queue to the destination device in
- 3 a first-in-first-out priority and in response to a path
- 4 to the destination device being available.
- 1 5. The method of Claim 1, further comprising storing the
- 2 interrupt request in an interrupt queue after the
- 3 receiving the interrupt request.
- 1 6. The method of Claim 5, further comprising determining and
- 2 storing in the interrupt queue a device ID of the source
- 3 device and an address of the destination device.

1       7. The method of Claim 5, further comprising transferring  
2       the interrupt from the interrupt queue to the destination  
3       device in a first-in-first-out priority.

1       8. An apparatus comprising:  
2       a control unit adapted to:  
3       receive data from a source device for a destination  
4       device,  
5       receive an interrupt request from the source device  
6       for the destination device, and  
7       forward the interrupt request to the destination  
8       device in response to completing a transfer of the  
9       data from the source device to the destination  
10      device.

1       9. The apparatus of Claim 8, the control unit further  
2       adapted to store the data in a data queue after receiving  
3       the data.

1       10. The apparatus of Claim 9, the control unit further  
2       adapted to determine and store in the data queue a device  
3       ID of the source device and an address of the destination  
4       device.

1       11. The apparatus of Claim 9, the control unit further  
2       adapted to transfer the data from the data queue to the  
3       destination device in a first-in-first-out priority and  
4       in response to a path to the destination device being  
5       available.

1 12. The apparatus of Claim 8, the control unit further  
2 adapted to store the interrupt request in an interrupt  
3 queue after receiving the interrupt request.

1 13. The apparatus of Claim 12, the control unit further  
2 adapted to determine and store in the interrupt queue a  
3 device ID of the source device and an address of the  
4 destination device.

1 14. The apparatus of Claim 12, the control unit further  
2 adapted to transfer the interrupts from the interrupt  
3 queue to the destination device in a first-in-first-out  
4 priority.

1 15. A computer program product stored on a computer operable  
2 media, the computer program product comprising software  
3 code effective to:  
4 receive data from a source device for a destination  
5 device,  
6 receive an interrupt request from the source device  
7 for the destination device, and  
8 forward the interrupt request to the destination  
9 device in response to completing a transfer of the  
10 data from the source device to the destination  
11 device.

1 16. The computer program product of Claim 15, the software  
2 code further effective to store the data in a data queue  
3 after receiving the data.

1 17. The computer program product of Claim 16, the software  
2 code further effective to determine and store in the data  
3 queue a device ID of the source device and an address of  
4 the destination device.

1 18. The computer program product of Claim 16, the software  
2 code further effective to transfer the data from the data  
3 queue to the destination device in a first-in-first-out  
4 priority and in response to a path to the destination  
5 device being available.

1 19. The computer program product of Claim 15, the software  
2 code further effective to store the interrupt request in  
3 an interrupt queue after receiving the interrupt request.

1 20. The computer program product of Claim 19, the software  
2 code further effective to determine and store in the  
3 interrupt queue a device ID of the source device and an  
4 address of the destination device.

1 21. The computer program product of Claim 19, the software  
2 code further effective to transfer the interrupt requests  
3 from the interrupt queue to the destination device in a  
4 first-in-first-out priority.  
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